

## CLAIMS

### WHAT IS CLAIMED IS:

1. A global positioning system (GPS) transceiver including a GPS receiver having a coupler and a transmitter, wherein the transmitter is detachably coupled to the GPS receiver via the coupler, and the GPS receiver is used to receive data from a satellite to acquire data related to the longitude and latitude of its location, and the transmitter is used to output the data related to the longitude and latitude of its location.

2. The global positioning system (GPS) transceiver according to claim 1 wherein the transmitter is a transmission interface device with one end thereof is fastened with a connection port corresponding to the coupler.

3. The global positioning system (GPS) transceiver according to claim 2 wherein the transmission interface device is one of a PCMCIA interface, a compact flash card interface, a security digital card interface, a multimedia card interface, a data transmission interface adapted for a personal computer, a data transmission interface adapted for a mobile computer, and a data transmission interface adapted for a personal digital assistance.

4. The global positioning system (GPS) transceiver according to claim 2 further comprising a cable with each end thereof fastened with a connection port for interlinking the connection port of the transmission interface and the coupler.

5. The global positioning system (GPS) transceiver according to claim 1 wherein the transmitter is a transmission interface adapting device including an adapter with each end thereof fastened with a cable, wherein one of the cables fastened to the adapter is fastened with a connection port corresponding to the coupler and the other one of the cables fastened to the adapter is fastened with the transmission interface device.

6. The global positioning system (GPS) transceiver according to claim 5 wherein the transmission interface device is one of a PCMCIA interface, a compact flash card interface, a security digital card interface, a multimedia card interface, a data transmission interface adapted for a personal computer, a data transmission interface adapted for a mobile computer, and a data transmission interface adapted for a personal digital assistance.

7. The global positioning system (GPS) transceiver according to claim 1 wherein the GPS receiver is further coupled with an antenna device.

8. The global positioning system (GPS) transceiver according to claim 2 wherein the transmission interface device includes an I/O port and a memory device.

9. The global positioning system (GPS) transceiver according to claim 5 wherein the transmission interface device includes an I/O port and a memory device.